

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"5682273".pn.	USPAT	ADJ	ON	2007/07/21 09:19
L2	23	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) near8 (hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write) near8 (cache or non-volatile or flash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L3	568	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) near8 (hard drive or hard dis? or hd or hdd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L4	14886	(hard drive or hard dis? or hd or hdd) near10 (access\$3 or transaction or read or write) near10 (cache or non-volatile or flash or ???ROM or persistant memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L5	70	L3 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L6	305	((hard drive or hard dis? or hd or hdd) near6 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near6 (cache or non-volatile or flash or ???ROM or persistant memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L7	15	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) and L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L8	12	L7 not L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19

## EAST Search History

L9	191	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L10	18	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) same power\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L11	38	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) and (360/???? or 711/???)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L12	4	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) with (non-volatile cache or nvc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L13	9	((hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write)) with (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) with (non-volatile cache or non volatile cache or nvc or nvm or non-volatile memory or non volatile memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L14	1	"10/749756"	US-PGPUB	ADJ	ON	2007/07/21 09:19
L15	1378	711/113.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L16	37942	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down)	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L17	84	L15 and L16	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L18	37	(power adj2 state) and L15	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L19	19	L18 not L17	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19

## EAST Search History

L20	4	L17 and intel.as.	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L21	2	"5860083".pn. or "5636355".pn.	USPAT	ADJ	ON	2007/07/21 09:19
L22	0	ep0702305	EPO	ADJ	ON	2007/07/21 09:19
L23	0	ep "0702305"	EPO	ADJ	ON	2007/07/21 09:19
L24	0	CN1568461	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L25	568	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) near8 (hard drive or hard dis? or hd or hdd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L26	305	((hard drive or hard dis? or hd or hdd) near6 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near6 (cache or non-volatile or flash or ???ROM or persistant memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L27	15	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) and L26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L28	14886	(hard drive or hard dis? or hd or hdd) near10 (access\$3 or transaction or read or write) near10 (cache or non-volatile or flash or ???ROM or persistant memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L29	70	L25 and L28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L30	37942	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down)	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L31	1378	711/113.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L32	84	L31 and L30	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19

## EAST Search History

L33	37	(power adj2 state) and L31	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L34	19	L33 not L32	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L35	23	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) near8 (hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write) near8 (cache or non-volatile or flash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L36	18	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) same power\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L37	12	L27 not L35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L38	38	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) and (360/????? or 711/???)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L39	4	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) with (non-volatile cache or nvc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L40	9	((hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write)) with (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) with (non-volatile cache or non volatile cache or nvc or nvm or non-volatile memory or non volatile memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L41	4	L32 and intel.as.	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19

## EAST Search History

L42	35	(711/112.ccls. or 711/113.ccls.) and (713/3??ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L43	4	(hd or hdd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (power\$3 or spin\$3 or spun) with (read\$3 or access\$3) with threshold	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L44	127	(hd or hdd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (power\$3 or spin\$3 or spun) with (read\$3 or access\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L45	568	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) near8 (hard drive or hard dis? or hd or hdd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L46	22	((hd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (power\$3 or spin\$3 or spun) with (read\$3 or access\$3)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L47	118	(hd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (power\$3 or spin\$3 or spun) with (read\$3 or access\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L48	343	(hd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (power\$3 or spin\$3 or spun)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19

## EAST Search History

L49	6442	(hd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L50	1	"5682273".pn.	USPAT	ADJ	ON	2007/07/21 09:19
L51	6580	(hd or hdd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L52	23	((hd or hdd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (power\$3 or spin\$3 or spun) with (read\$3 or access\$3)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L53	62	(power\$3 or spin\$3 or spun) near6 (hd or hdd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (read\$3 or access\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L54	359	(hd or hdd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (power\$3 or spin\$3 or spun)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L55	14886	(hard drive or hard dis? or hd or hdd) near10 (access\$3 or transaction or read or write) near10 (cache or non-volatile or flash or ???ROM or persistant memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L56	1378	711/113.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L57	37	(power adj2 state) and L56	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19

## EAST Search History

L58	23	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) near8 (hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write) near8 (cache or non-volatile or flash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L59	305	((hard drive or hard dis? or hd or hdd) near6 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near6 (cache or non-volatile or flash or ???ROM or persistant memory).	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L60	15	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) and L59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L61	12	L60 not L58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L62	37942	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down)	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L63	84	L56 and L62	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L64	19	L57 not L63	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L65	4	L63 and intel.as.	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L66	2	"5860083".pn. or "5636355".pn.	USPAT	ADJ	ON	2007/07/21 09:19
L67	0	ep0702305	EPO	ADJ	ON	2007/07/21 09:19
L68	0	ep "0702305"	EPO	ADJ	ON	2007/07/21 09:19
L69	0	CN1568461	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19

## EAST Search History

L70	568	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) near8 (hard drive or hard dis? or hd or hdd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L71	305	((hard drive or hard dis? or hd or hdd) near6 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near6 (cache or non-volatile or flash or ???ROM or persistant memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L72	15	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) and L71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L73	14886	(hard drive or hard dis? or hd or hdd) near10 (access\$3 or transaction or read or write) near10 (cache or non-volatile or flash or ???ROM or persistant memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L74	70	L70 and L73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L75	37942	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down)	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L76	1378	711/113.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L77	84	L76 and L75	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L78	37	(power adj2 state) and L76	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L79	19	L78 not L77	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L80	23	(power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) near8 (hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write) near8 (cache or non-volatile or flash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19



## EAST Search History

L81	18	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) same power\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L82	12	L72 not L80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L83	38	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) and (360/????? or 711/???)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L84	4	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) with (non-volatile cache or nvc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L85	9	((hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write)) with (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) with (non-volatile cache or non volatile cache or nvc or nvm or non-volatile memory or non volatile memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L86	4	L77 and intel.as.	US-PGPUB; USPAT	ADJ	ON	2007/07/21 09:19
L87	9	((hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write)) with (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) with (non-volatile cache or non volatile cache or nvc or nvm or non-volatile memory or non volatile memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19

## EAST Search History

L88	18	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) same power\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L89	38	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) and (360/????? or 711/???)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L90	4	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) with (non-volatile cache or nvc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L91	1	"10/749756"	US-PGPUB	ADJ	ON	2007/07/21 09:19
L92	191	((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19
L93	70	L45 and L55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/21 09:19